

Key

Mr. Fowler

SAFETY IN THE SCIENCE LABORATORY: EME VIDEO: 27 minutes NAME: Key

1. The foremost consideration in any safety program should be Prevention
2. List three VERY OBVIOUS rules regarding chemicals and your mouth: never drink from lab glassware
never taste and do not eat in lab
3. What is the correct method for smelling a chemical? waving vapour to nose
4. Be sure that all containers of chemicals are properly labelled / stored
5. Spills on the skin should be cleaned with water (for approximately five minutes).
6. Give two "hair care" safety considerations: tie back and avoid hair spray
7. What type of clothing can be dangerous? loose fitting
8. Note THREE things the girl heating the test tube is doing for safety: opening away
eye safety and moving back + forth
9. Organic solvents (which are often VOLATILE) should be handled in a fume hood
10. List THREE functions of the fume hood: removes Foul and dangerous fumes and
physical barrier
11. Acids should always be added carefully
12. What are the three basic eye protection devices? safety glasses, goggles & shields
13. A general rule is to wear eye protection when working with acids, bases, organics or
when heating any substance.
14. To avoid the danger of fire, use a hot plate instead of a bunsen burner to heat flammables.
15. Describe a proper bunsen burner flame: blue with inner cone 2" high
16. Always keep your work area neat + clean
17. List three examples of special heating techniques: water bath, sand bath & hot plate
18. Different chemicals have different flash points or temperatures at which they will ignite.
19. List FIVE different safety features of the lab in the video: fire extinguisher, fire blanket,
sand, safety shower and eye cup / eye wash
20. The most common fire extinguisher contains CO₂. Describe the three steps in
its operation: pull pin, aim nozzle, squeeze trigger